BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name Of Work :- Detailed Estimate for Annual Maintenance of Street Lights Package D-4 ward No 15 T Dasarahalli

Budget Head P0300

Division No 03 Estimate No 03 For Rs = 2140000 00

Sl. No.	Description of Work	Qty.	Rate Per Year Rs. Ps.	Unit	Amount
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below I) Poles with 36/40 W fluorescent tube light street lighting system	201	685 45	Each	137775 45
2	Poles with 250W HPSV light street lighting system	1097	1019 41	Each	1118292 77
3	Poles with 400 watts HPSV light street lighting system	36	1118 08	Each	40250 88
4	Poles with 24 W LED light street lighting system	1	880 01	Each	880 01
5	Poles with 65 W LED light street lighting system	97	1147 43	Each	111300 71
6	Poles with 90 W LED light street lighting system	10	1377 66	Each	13776 60
7	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets, such as MCB's Contactors, Timer, Cut-outs, wiring connector and M S Box with proper insulation etc , complete	15	3115 44	Each	46731 60
8	c) B Work to be carried out as per requirement & actuals and as per the direction of the in charge engineer, Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole 8 Mtr and above street light pole	10	770 00	Each	7700 00
9 XIV 256	Moulded Case Circuit Breaker (MCCB) Three Pole 100Amps 25kA	28	2718 00	Each	76104 00
10 30/5 4 3 2	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2 5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets	27	2054 00	Each	55458 00

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11 AR	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1 Remote lighting management.2.Precise lighting turnoff.3 Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	10	51500	No	515000.00
12	GST @12% 8,9,10				16711.44
13	Misleniuos				18.54
	Total				2140000.00

CERTIFICATE

1 The Place was inspected and work is essential
2 The Provision made in the estimate is adequate and are necessary
3 The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds
4 The rates in the Estimate is based on PWD (Elec) SR of 2019-20 / , BESCOM SR approved rates

Asst. Engineer (Elec)

Asst. Exe Engineer (Elec)
Sub-Division No
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
DASARAHALLI DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

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ದಿನಾಂಕ 10/12/19 ರೂ 21-40 ಅಕ್ಷರಗಳಲ್ಲಿ
Twenty one lakh forty thousand only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದ್ದು
ಪುಟ ಸಂಖ್ಯೆ 33 ಕ್ರಮಸಂಖ್ಯೆ 28
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ವ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Technically Sanctioned For Rs: 21,40,000/-
Rs. In Words..... Twenty One lackhs forty thousand only
Under..... P.0300
Job Code No..... 015-20-000017
Registered as SE No..... 22 /19-20 subject to conditions contained in Enclosed Memo No. SE/DZ/T.S./22/19-20 Dt. 03/02/2020

AE / JE TA SE(D)

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